ABSTRACT OF THE DISCLOSURE

One or more embodiments of the present invention provide a method and apparatus for efficiently accessing data segments having arbitrary alignment with the memory structure in which they are stored. For example, a memory structure may be organized so that memory accesses occur with respect to units of memory defined based on a relationship of a total memory bandwidth to a size of an amount of desired data to be accessed. In such an example, the units of memory are defined so as to maximize efficiency by minimizing the number of memory access operations performed to access the amount of desired data.

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